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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/710,267	06/30/2004	Shih-Ming Cheng	13435-US-PA	4266	
31561 75	90 11/21/2005		EXAMINER		
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE			ZEADE, BERTRAND		
7 FLOOR-1, NO. 100 ROOSEVELT ROAD, SECTION 2 TAIPEI, 100		ART UNIT	PAPER NUMBER		
		2875			
TAIWAN			DATE MAILED: 11/21/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	25			
Office Action Summary		10/710,267	CHENG, SHIH-MING				
		Examiner	Art Unit				
		Bertrand Zeade	2875				
Period fo	The MAILING DATE of this communication ap	pears on the cover sheet with the	correspondence address	5			
A SH WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLEMEVER IS LONGER, FROM THE MAILING Designs of time may be available under the provisions of 37 CFR 1. SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period re to reply within the set or extended period for reply will, by statutively received by the Office later than three months after the mailined patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be to will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDON	ON. imely filed m the mailing date of this communi ED (35 U.S.C. § 133).				
•	Responsive to communication(s) filed on 30 J						
,—	This action is FINAL . 2b)⊠ This action is non-final.						
3)∐	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
D: :4:	·	ex parto quayro, roco o.b. Tr	,				
•	ion of Claims						
-	4) Claim(s) 1-12 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration. 5) □ Claim(s) is/are allowed.						
• —	5)						
•	7) Claim(s) is/are objected to.						
· —	8) Claim(s) are subject to restriction and/or election requirement.						
Applicat	ion Papers						
• •	The specification is objected to by the Examin	er					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority (under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documen		tion No				
	2. Certified copies of the priority document3. Copies of the certified copies of the priority			A			
	 Copies of the certified copies of the price application from the International Burea 		red III (III3 Mational Otag				
* 5	See the attached detailed Office action for a lis		/ed.				
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Attachmen	it(s)						
1) Notic	ce of References Cited (PTO-892)	4) Interview Summa					
3) 🛛 Infor	ce of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08 er No(s)/Mail Date <u>10/12/04</u> .	Paper No(s)/Mail (s) 5) Notice of Informal 6) Other:	Date Patent Application (PTO-152)	1			

Application/Control Number: 10/710,267

Art Unit: 2875

DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

1. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by Ayres (U.S. 5,947,578)

Ayres discloses a back light device regarding claim 1, providing a thin film having a transfer material layer thereon (col. 5, lines 15-19);

- providing a molding machine having a cavity therein (10, fig.3), disposing the thin film (30, fig. 2) inside the molding machine (10, fig. 2) such that at least a portion of the transfer material layer is located within the cavity or slot (32);
- and forming a light guide plate body or waveguide (12) inside the cavity such that the transfer material layer is transferred on the light guide plate body as shown in (fig. 10/1).

Regarding claim 2, the transfer material layer (30, fig. 1) comprises a light-scattering patterned layer (col. 3, lines 65-67 and col. 4, line 1-4).

Regarding claim 3, a step of forming the transfer material layer over the thin film comprises: forming a light-reflecting layer over the thin film; and forming a light--scattering patterned layer over the light-reflecting layer (col. 3, lines 65-67 and col. 4, line 1-4).

Regarding claim 4 as shown in (fig. 10), the light guide plate body comprise, a light output surface, a bottom surface, at least a light incident surface (36) and a plurality of side surfaces, wherein the light incident surface and the side surfaces are

Application/Control Number: 10/710,267

Art Unit: 2875

adjacent to and positioned between the bottom surface (16) and the light output surface (30), and the light-scattering patterned layer and the light-reflecting layer are transferred on the bottom surface (col. 3, lines 65-67 and col. 4, line 1-4).

Regarding claim 5, the light-reflecting layer (26, fig. 4) is further transferred on the side surfaces.

Regarding claim 6 as shown in (fig. 7), the step of disposing the thin film inside the molding machine comprises applying a tape-spooling mechanism to reel the thin film over the molding machine so that at least a portion of the transfer material layer is disposed inside the cavity.

Regarding claim 7 as shown in (fig. 7), the transfer material layer comprises a plurality of patterned blocks (44, 38) so that at least one of the patterned blocks aligns with the cavity after reeling the thin film forward a fixed distance.

2. Claims 8-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Konishi et al. (U.S.6,835,440)B1.

Konishi et al. discloses a light transmitting plate having:

Regarding claim 8, a light guide plate body (100, fig. 1A) having a light output surface (100b, fig. 1B), a bottom surface at least a light incident surface (100a, fig. 1A) and a plurality of side surfaces (100a-100c, 1B), wherein the light incident surface (100a) and the side surfaces (100b-100c) are adjacent to and positioned between the bottom surface and the light output surface; and a transfer material layer (500, fig. 1B) disposed on the bottom surface.

Regarding claim 9, the transfer material layer (500) and the light guide plate body (100, fig. 1A)) are formed into a unity.

Regarding claim 10, the transfer material layer (500) comprises a light-scattering patterned layer (col. 21, 39-41).

Regarding claim 11, a light-scattering patterned layer (col. 21, 39-41) disposed on the bottom surface; and a light-reflecting layer disposed over the bottom surface and covering the light-scattering patterned layer.

Regarding claim 12 as shown in (fig. 1B), the light-reflecting layer (500) is disposed on the side surfaces.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bertrand Zeade whose telephone number is 571-272-2387. The examiner can normally be reached on 9:30 AM-5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sandra O'Shea can be reached on 571-272-2378. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/710,267

Art Unit: 2875

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Bertrand Zeade Examiner Art Unit 2875

Sandra O'Shea
Supervisory Patent Examiner
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